

**DETAILED ACTION**

**EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with HYMAN, ERIC 30139 (ATTNY) on 09/11/2009.

2. The application has been amended as follows:

**Regarding claim 1**, (Currently Amended) A method of performing adaptive connection admission control in consideration of input call states in a Differentiated Services (DiffServ) network, the DiffServ network including a bandwidth broker, a plurality of ingress and egress edge nodes and a plurality of core nodes, the method comprising the steps of:

a) a corresponding ingress edge node performing connection admission control for a new connection within an amount of bandwidth initially allocated to each of paths between the ingress and egress edge nodes;

b) the corresponding ingress edge node comparing an amount of remaining bandwidth allocated to a specific path  $P_r$  with an amount of bandwidth required for a connection setup requesting call input to the corresponding ingress edge node, and calculating an amount of additional bandwidth to be requested from the bandwidth broker when the corresponding ingress edge node determines that the amount of the

remaining bandwidth does not satisfy the amount of the bandwidth required for the connection setup requesting call;

c) the corresponding ingress edge node requesting additional bandwidth from the bandwidth broker on the basis of the calculated amount of the additional bandwidth, changing bandwidth information of the corresponding path  $P_r$ , and performing connection admission control, wherein the calculated amount takes into account an average of time intervals at which allocation of additional bandwidth is requested from the bandwidth broker; and

d) decreasing the amount of additionally allocated bandwidth when the amount of the additionally allocated bandwidth is not exhausted within a certain range, and returning the decreased amount of the additionally allocated bandwidth to the bandwidth broker;

wherein the step d) comprises the steps of:

comparing an amount of bandwidth  $UBW_i$  being used at current time  $T_i$  of the amount of the additionally allocated bandwidth with an amount of bandwidth  $UBW_{i-1}$  actually used at previous time  $T_{i-1}$ ; and

decreasing an amount of currently available bandwidth  $BW_i$  of the corresponding path  $P_r$  when a difference between the amount of the bandwidth  $UBW_i$  and the amount of the bandwidth  $UBW_{i-1}$  is equal to or greater than a preset threshold.

**Claims 2 and 3, (Canceled)**

***Allowable Subject Matter***

3. Claims 1, 4-6, and 8-10 are allowed.
4. The following is an examiner's statement of reasons for allowance: Amended claims 1, 4-6, and 8-10 are allowable over prior art since none of the prior art taken individually or in combination fails to particularly disclose, fairly suggests, or render obvious as argued by the applicant which examiner considers as persuasive as set forth above.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

***Conclusion***

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to NIMA MAHMOUDZADEH whose telephone number is (571)270-3527. The examiner can normally be reached on Monday - Friday, 8am-5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chirag G. Shah can be reached on (571) 272-3144. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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